



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/543045
Filing Date	7/21/2005
First Named Inventor	COOPER, JEFFREY A
Art Unit	2483
Examiner Name	HOLDER, ANNER N.
Attorney Docket Number	PU030321

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of

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4870497	09/26/1989	CHAMZAS ET AL.	
		US- 5477263	12/19/1995	O'CALLAGHAN ET AL.	
		US- 5446759	08/29/1995	CAMPANA, JR.	
		US- 5822324	10/13/1998	KOSTRESTI ET AL.	
		US- 5592471	01/07/1997	BRISKMAN	
		US- 5703877	12/30/1997	NUBER ET AL.	
		US- 5835483	11/10/1998	BISSON	
		US- 6038257	03/14/2000	BRUSEWITZ ET AL.	
		US- 6144400	11/07/2000	EBISAWA	
		US- 6148005	11/14/2000	PAUL ET AL.	
		US- 6195024	02/27/2001	FALLON	
		US- 6211926	04/03/2001	WON	
		US- 6701528	03/02/2004	ARSENAULT ET AL.	
		US- 6414725	07/02/2002	CLARIN ET AL.	
		US- 6418549	07/09/2002	RAMCHANDRAN ET AL.	
		US- 6442622	08/27/2002	YAMAMOTO ET AL.	
		US- 6480541	11/12/2002	GIROD ET AL.	
		US- 6646578	11/11/2003	AU	
		US- 7155735	12/26/2006	NGO ET AL.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		CA1065409	10/30/1979	BAKER		
		WO00/16544	03/23/2000	ACTV, INC.		
		JP2001285736	10/12/2001	CANON KK	Machine Trans.	
		JP1045342	05/29/1998	SONY CORP.		✓
		WO00/14967	0316/2000	KONINKLIJKE PHI		
		WO/74086	10/04/2001	KONINKLIJKE PHI		

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		Number-Kind Code ² (if known)			
		US- 6920422	07/12/2005	KROON ET AL.	
		US- 6701528	03/02/2004	ARSENAULT ET AL.	
		US- 6771657	08/03/2004	ELSTERMANN	
		US- 6304609	10/16/2001	STEPHENS ET AL.	
		US- 7403660	07/22/2008	HANNUKSELA	
		US- 7003794	02/21/2006	AYRE	
		US- 2002/0040481	04/04/2002	OKADA ET AL.	
		US- 2002/0047902	04/25/2002	THOMAS ET AL.	
		US- 2002/0002708	01/03/2002	AYRE	
		US- 2002/0101581	08/01/2002	MURAKAWA ET AL.	
		US- 2002/0191712	12/19/2002	GADDAM ET AL.	
		US- 2002/0129374	09/12/2002	FREEMAN ET AL.	
		US- 2002/0191116	12/19/2002	KESSLER ET AL.	
		US- 2004/0028228	02/12/2004	HAMADA ET AL.	
		US- 2004/0101057	05/27/2004	SHIRAISHI ET AL.	
		US- 2004/0162078	08/19/2004	RAMASWAMY ET AL.	
		US- 2006/0050780	03/09/2006	COOPER ET AL.	
		US- 2006/0050781	03/09/2006	COOPER ET AL.	
		US- 2006/0056505	03/16/2006	RAMASWAMY ET AL.	

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		EP1306992	05/02/2003	HITACHI, LTD		
		JP2000354023	12/19/2000	MITSUBISHI ELEC		✓
		JP2002344838	11/29/2002	FUNAI ELEC.	Machine Trans.	

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10/543045

<i>Filing Date</i>	07/21/2005
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07/21/2005

First Named Inventor	COOPER, JEFFREY ALLEN
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COOPER, JEFFREY ALLEN

Art Unit	2483
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2483

Examiner Name	ANNER HOLDER
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ANNER HOLDER

Attorney Docket Number	PU030321
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PU030321

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Considered

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